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*        U. S.   P A T E N T   T E X T   F I L E                *
*                                                               *
*  THE WEEKLY PATENT TEXT AND IMAGE DATA IS CURRENT             *
*  THROUGH May 18 1999.                                         *
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08/961,084
10-97 fd.

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=> s 522/96/ccls

L1         572 522/96/CCLS

=> s l1 and (polybutadiene or polyisobutylene or hydrocarbon backbone)

          20248 POLYBUTADIENE
           9390 POLYISOBUTYLENE
         157461 HYDROCARBON
          26361 BACKBONE
            565 HYDROCARBON BACKBONE
                  (HYDROCARBON(W)BACKBONE)
L2           91 L1 AND (POLYBUTADIENE OR POLYISOBUTYLENE OR HYDROCARBON BAC
KBO
                NE)

=> s dielectric dissipation

          98186 DIELECTRIC
          43768 DISSIPATION
L3          243 DIELECTRIC DISSIPATION
                  (DIELECTRIC(W)DISSIPATION)

=> s l3 and l2

L4            0 L3 AND L2

=> s (saturated)(P)(polybutadiene or polyisobutylene or hydrocarbon backbone)

         183325 SATURATED
          20248 POLYBUTADIENE
           9390 POLYISOBUTYLENE
         157461 HYDROCARBON
          26361 BACKBONE
            565 HYDROCARBON BACKBONE
                  (HYDROCARBON(W)BACKBONE)
L5          1345 (SATURATED)(P)(POLYBUTADIENE OR POLYISOBUTYLENE OR HYDROCAR
BON
                BACKBONE)

=> s l5 and l2

L6           13 L5 AND L2

=> d cit l6 1-13


1.  5,837,750, Nov. 17, 1998, Radiation curable optical fiber coating
composition; David M. Szum, et al., 522/81; 385/145; 428/378; 522/64, 92,
96, 97; 528/65, 363, 366 [IMAGE AVAILABLE]

2.  5,696,179, Dec. 9, 1997, Silane oligomer and radiation curable
coating composition containing the oligomer; Chander P. Chawla, 522/90,
96, 97, 172; 528/25, 27, 28, 32, 40 [IMAGE AVAILABLE]
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3. 5,352,712, Oct. 4, 1994, Ultraviolet radiation-curable coatings for optical fibers; Paul J. [redacted]stack, 522/31; 385/123; 427/16[redacted], 165, 389.7, 407.2, 508; 428/378; 522/42, 44, 51, 75, 76, 77, 78, 79, 96, 98, 134, 135, 136, 137, 141, 142, 143, 144, 146 [IMAGE AVAILABLE]

4. 5,115,072, May 19, 1992, Reactive resins with terminal and/or pendant vinyl groups; Hildeberto Nava, et al., 528/67; **522/96**, 98; 525/452; 526/301; 528/44, 51, 59, 69 [IMAGE AVAILABLE]

5. 4,973,611, Nov. 27, 1990, Optical fiber buffer coating with Tg; Allen B. Puder, 522/42, **96**; 526/301 [IMAGE AVAILABLE]

6. 4,826,705, May 2, 1989, Radiation curable temporary solder mask; Kieran F. Drain, et al., 427/510, 96, 259, 264, 515, 520; 430/256, 260; **522/96**, 99, 103, 182 [IMAGE AVAILABLE]

7. 4,786,586, Nov. 22, 1988, Radiation curable coating for photographic laminate; San A. Lee, et al., 430/532, 536, 961; 522/21, 42, **96**, 182 [IMAGE AVAILABLE]

8. 4,716,094, Dec. 29, 1987, Photosensitive resin composition which is improved with respect to surface tack-free characteristic after curing, and a method; Kuniaki Minonishi, et al., 430/284.1, 281.1, 306; 522/78, 79, **96** [IMAGE AVAILABLE]

9. 4,572,610, Feb. 25, 1986, Optical fiber buffer coated with halogenated dihydroxy-terminated polybutadienes; John J. Krajewski, 385/141, 128; 428/375, 392; **522/96**, 98; 526/301 [IMAGE AVAILABLE]

10. 4,421,840, Dec. 20, 1983, Photopolymerizable recording material containing a diisocyanate modified nylon binder; August Lehner, et al., 430/273.1, 271.1, 281.1, 283.1, 284.1, 306, 906; 522/85, **96**, 97 [IMAGE AVAILABLE]

11. 4,224,357, Sep. 23, 1980, Method and composition for forming electron beam curing high build coating; Hiroshi Iwai, et al., 427/507, 258, 287, 409, 410, 412.5, 421, 428, 520; 428/413, 423.1, 425.8, 458, 462, 463; 522/93, 95, **96**, 97, 104; 525/111, 438, 454, 524, 528, 529; 528/103, 392 [IMAGE AVAILABLE]

12. 4,164,459, Aug. 14, 1979, U.V.-curable coating composition; Arie Noomen, et al., 522/16; 428/418, 463; 522/95, **96**, 103 [IMAGE AVAILABLE]

13. 3,864,133, Feb. 4, 1975, Photo-polymerizable compositions; Hiroyoshi Hisamatsu, et al., **522/96**; 430/284.1, 917, 919, 921; 522/8, 10, 14, 17, 90, 95 [IMAGE AVAILABLE]

```
=> s (saturated)(3P)(polybutadiene or polyisobutylene or hydrocarbon backbone)

        183325 SATURATED
         20248 POLYBUTADIENE
          9390 POLYISOBUTYLENE
        157461 HYDROCARBON
         26361 BACKBONE
           565 HYDROCARBON BACKBONE
                 (HYDROCARBON(W)BACKBONE)
L7        3134 (SATURATED)(3P)(POLYBUTADIENE OR POLYISOBUTYLENE OR HYDROCA
RBO
               N BACKBONE)

=> s l7 and  l2

L8          18 L7 AND  L2
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=> s l8 not l6

L9 5 L8 NOT L6

=> d cit l9 1-5

1. 5,807,905, Sep. 15, 1998, Borate photoinitiators from polyboranes; Allan Francis Cunningham, et al., 522/25, 6, 12, 26, 30, 49, 50, 53, 57, 58, 59, 63, 64, 65, 66, 67, 68, 70, **96**, 121; 528/4, 5, 6, 7; 568/3, 4, 5 [IMAGE AVAILABLE]

2. 5,744,514, Apr. 28, 1998, Coated optical fibers having a reduced content of extractable and volatile material; Paul J. Shustack, 522/42; 385/123, 128, 145; 428/378, 392; 522/44, 79, 90, **96** [IMAGE AVAILABLE]

3. 5,177,171, Jan. 5, 1993, Sulfonic acid group-containing polyurethane and a photosensitive resin composition containing the same; Yutaka Usubuchi, et al., 528/83; 430/281.1, 287.1, 288.1; **522/96**, 97, 121; 528/81, 85 [IMAGE AVAILABLE]

4. 5,036,113, Jul. 30, 1991, Tire having radiation cured air barrier coating; Wyndham H. Boon, et al., **522/96**, 174; 528/66 [IMAGE AVAILABLE]

5. 4,857,654, Aug. 15, 1989, Titanocenes and their use; Martin Riediker, et al., 556/53; 430/281.1, 325, 947; 522/12, 21, 26, 66, **96**; 556/11; 987/2 [IMAGE AVAILABLE]

=> s (acrylate? or methacrylate?)(P)(urethane or polyurethane)

75830 ACRYLATE?
70569 METHACRYLATE?
48550 URETHANE
78308 POLYURETHANE
L10 12257 (ACRYLATE? OR METHACRYLATE?)(P)(URETHANE OR POLYURETHANE)

=> s l10 and l5

L11 145 L10 AND L5

=> s l11 and l3

L12 0 L11 AND L3

=> s l10 and l3

L13 6 L10 AND L3

=> d cit l13 1-6

1. 5,864,178, Jan. 26, 1999, Semiconductor device with improved encapsulating resin; Hiroshi Yamada, et al., 257/737, 738, 787, 788, 790 [IMAGE AVAILABLE]

2. 5,691,846, Nov. 25, 1997, Ultra-flexible retroreflective cube corner composite sheetings and methods of manufacture; Olester Benson, Jr., et al., 359/530; 156/245; 264/214; 359/529, 900; 428/172 [IMAGE AVAILABLE]

3. 5,306,772, Apr. 26, 1994, Polyacetal resin composition and its molded article; Hiroshi Mimura, et al., 525/92A, 92K, 154, 199 [IMAGE AVAILABLE]

4. 5,116,670, May 26, 1992, Allyl ester resin composition and laminated sheet using the same; Noboru Suzuki, et al., 442/232; 428/416, 431, 443,

458, 460, 464, 481, 482, [illegible]1; 526/322; 528/272, 308 [IMAGE AVAILABLE]

5. 4,770,493, Sep. 13, 1988, Heat and radiation resistant optical fiber; Kuniaki Ara, et al., 385/102, 128, 141 [IMAGE AVAILABLE]

6. 4,031,066, Jun. 21, 1977, Flexible polybutadiene resin composition having excellent electrical properties; Atsushi Mori, et al., 524/474, 523, 571; 526/301 [IMAGE AVAILABLE]

=> s l11 and dissipation

43768 DISSIPATION
L14 2 L11 AND DISSIPATION

=> d cit l14 1-2

1. 4,268,337, May 19, 1981, Sheet molding material produced by associating a layer comprising a photopolymerizable material with layers comprising thermosetting resins; Jyoji Ibata, et al., 156/244.17, 272.2, 275.5 [IMAGE AVAILABLE]

2. 4,214,026, Jul. 22, 1980, Sheet molding material; Jyoji Ibata, et al., 428/67; 156/244.17, 275.5; 428/75, 175, 323, 457, 458, 913; 442/378 [IMAGE AVAILABLE]

=> s l11 and dielectric

98186 DIELECTRIC
L15 12 L11 AND DIELECTRIC

=> d cit ab l15 1-12

1. 5,855,972, Jan. 5, 1999, Sealant strip useful in the fabrication of insulated glass and compositions and methods relating thereto; Konrad H Kaeding, 428/34, 448, 450, 465 [IMAGE AVAILABLE]

US PAT NO: 5,855,972 [IMAGE AVAILABLE] L15: 1 of 12

ABSTRACT:
An insulated glass unit comprising two panes of glass and a sealant strip disposed around the periphery of the two panes in order to form a sealed space. The sealant strip is an isobutylene copolymer grafted with an organo-silane and includes 15-50 weight percent tackifier. The sealant strip is self splicing and is preferably sufficiently compression resistant so that additional compression resistant inserts or reinforcements are unnecessary.

2. 5,665,212, Sep. 9, 1997, Flexible, conducting plastic electrode and process for its preparation; Shihuang Zhong, et al., 204/297R, 280, 286, 290R, 291, 294; 252/502; 428/408; 429/40, 42, 212, 213, 232, 241 [IMAGE AVAILABLE]

US PAT NO: 5,665,212 [IMAGE AVAILABLE] L15: 2 of 12

ABSTRACT:

Conducting plastic electrodes and methods of preparing such electrodes are disclosed. The electrodes comprise a thermo-plastic polymer, an elastomeric polymer, and a conductive filler material.

3. 5,561,208, Oct. 1, 1996, Medical implement, polymer composition, and optical material; Nobukazu Takahashi, et al., 526/281; 524/81, 553; 526/280, 340, 347 [IMAGE AVAILABLE]

US PAT NO: 5,561,208 [IMAGE AVAILABLE] L[illegible]3 of 12

ABSTRACT:
A polymer composition comprising a thermoplastic norbornene polymer which preferably has a number average molecular weight of 10,00-200,000 as determined by gel permeation chromatography in toluene solvent and calculated as styrene and a content of norbornene polymer components having a number average molecular weight of 2,000 or less of 1% by weight or less, and a compounding ingredient, such as a rubber-like polymer, wherein the compounding ingredient is preferably dispersed in the form of microdomains in the norbornene polymer; and medical implements and optical naturals formed essentially of the composition.

4. 5,543,177, Aug. 6, 1996, Marking materials containing retroreflecting fillers; Jan D. Morrison, et al., 427/288; 73/150R; 101/491; 347/100; 430/114, 124; 523/217 [IMAGE AVAILABLE]

US PAT NO: 5,543,177 [IMAGE AVAILABLE] L15: 4 of 12

ABSTRACT:
Disclosed are marking materials containing retroreflective fillers and processes for the use thereof. In one embodiment, images containing retroreflective fillers are generated on paper by any suitable means, such as electrostatic imaging and development with either dry or liquid developers, ink jet printing, strip-out development processes, or the like, and the images thus generated are used to control a document reproduction system. In another embodiment, images containing retroreflective fillers are generated on a movable part in an imaging apparatus, such as an imaging member, an intermediate transfer member, or the like, by any suitable means, and the images thus generated are used to impart information regarding the relative position of the movable part with respect to the copier or printer containing the movable part.

5. 5,468,803, Nov. 21, 1995, Medical implement, polymer composition, and optical material; Nobukazu Takahashi, et al., 524/553, 551, 570; 526/280, 281 [IMAGE AVAILABLE]

US PAT NO: 5,468,803 [IMAGE AVAILABLE] L15: 5 of 12

ABSTRACT:
A polymer composition including a thermoplastic norbornene polymer which preferably has a number average molecular weight of 10,00-200,000 as determined by gel permeation chromatography in toluene solvent and calculated as styrene and a content of norbornene polymer components having a number average molecular weight of 2,000 or less of 1% by weight or less, and a compounding ingredient, such as a rubber-like polymer, wherein the compounding ingredient is preferably dispersed in the form of microdomains in the norbornene polymer; and medical implements and optical naturals formed essentially of the composition.

6. 5,326,605, Jul. 5, 1994, Reactive pressure sensitive adhesive composition, sealer tape, sheet or molding by use thereof; Kiyoshi Ono, et al., 428/41.2, 220, 355AC, 355N, 355R [IMAGE AVAILABLE]

US PAT NO: 5,326,605 [IMAGE AVAILABLE] L15: 6 of 12

ABSTRACT:
A reactive pressure sensitive adhesive composition which comprises at least one material selected from the group consisting of saturated polyester resins, acrylic rubbers, acrylic elastomers, polybutadienes and acrylic pressure sensitive adhesives which are all non-flowable at normal temperature and at least one reactive compound selected from the group consisting of (meth)acrylic **urethane** monomers, oligomers thereof, other (meth)**acrylate** monomers and oligomers thereof, and sealer tape,

sheet or molding which includes the composition.

7. 5,308,888, May 3, 1994, Fluorine-containing curable resin composition and use thereof; Shin Nishimura, et al., 522/156; 525/326.3 [IMAGE AVAILABLE]

US PAT NO: 5,308,888 [IMAGE AVAILABLE] L15: 7 of 12

ABSTRACT:
According to the present invention, there is provided a resin composition which can provide an insulating resin having excellent heat resistance and flame retardance after curing and showing a low dielectric constant.
A fluorine-containing photo-setting resin composition comprising a polymer containing fluorine or a fluorine-containing group represented by general formula [II]: ##STR1## wherein R.sup.1 and R.sup.2 are selected from the group consisting of H, F, CH.sub.3 and CF.sub.3 ; R.sup.3 and R.sup.4 are selected from the group consisting of CH.sub.2 and CF.sub.2 ; x and y show 0 to 4 and m shows 30 to 1000, and a photopolymerization initiator, which is a solid at ambient temperature, melts between 100.degree. and 150.degree. C., has a melt viscosity of not greater than 10.sup.6 poise and is photocurable.

8. 5,069,927, Dec. 3, 1991, Adhesively-bonded coated composites of highly saturated elastomers; David F. Lawson, et al., 427/491; 428/413, 424.8, 519; 525/332.3, 358, 359.1, 359.2, 359.4 [IMAGE AVAILABLE]

US PAT NO: 5,069,927 [IMAGE AVAILABLE] L15: 8 of 12

ABSTRACT:
A composite comprises a coating which is adhered to a highly saturated elastomer having a corona discharge activated surface which is chemically fixed by a halogenating agent. A coating such as a paint, a weather-resistant film, etc., or an adhesive layer, is adhered to the activated and fixed surface. Various halogenating agents include N-halohydantoins, N-haloimides, N-haloamides, aqueous chlorine or bromine solutions, and acidified hypochlorite solutions. The composite is useful for EPDM roofing and consumer goods, e.g., a flexible polyurethane paint applied to the sidewalls of tires, as a decorated article, bonded composites, and the like.

9. 5,017,429, May 21, 1991, Packaging material for photosensitive materials; Mutsuo Akao, 428/349, 354, 355BL, 355EN, 356, 458, 461, 516, 522, 913 [IMAGE AVAILABLE]

US PAT NO: 5,017,429 [IMAGE AVAILABLE] L15: 9 of 12

ABSTRACT:
A packaging material for photosensitive materials which comprises a laminated film comprising a thermoplastic resin heat seal layer and a metal foil or metallized flexible sheet layer laminated through a linear low density polyethylene resin extrusion laminating adhesive layer of which the resin composition is 30 to 90 wt. % of linear low density polyethylene resin being a copolymer resin of ethylene and .alpha.-olefin and 70 to 10 wt. % of high pressure low density polyethylene resin, the melt index of the blended resin is 5 to 20 g/10 minutes, the density of the blended resin is 0.870 to 0.930 g/cm.sup.3, the optical density of the transmitted light of said laminated film is more than 4.0, and the moisture permeability of the laminated film is less than 2.0 g/m.sup.2.24 hours.

10. 4,693,951, Sep. 15, 1987, Image forming method and image bearing member; Yoshio Takasu, et al., 430/31; 346/74.2; 347/140, 154; 427/474; 430/56, 139 [IMAGE AVAILABLE]

US PAT NO: 4,693,951 [IMAGE AVAILABLE] L15: 10 of 12

.ABSTRACT:
An image bearing member for forming a toner image on the surface thereof characterized in that said surface has a maximum surface roughness of 20 .mu.m or less, and an average surface roughness satisfying the relation of r.ltoreq.2d between the average surface roughness and a toner particle size, wherein r is the average surface roughness; and d is a mean particle size of the toner particles; a contact angle with water at least 70 degrees; or a pencil hardness of F or harder as measured according to the JIS test method K-5400; a process for forming image with said member, and an utility thereof.

11. 4,268,337, May 19, 1981, Sheet molding material produced by associating a layer comprising a photopolymerizable material with layers comprising thermosetting resins; Jyoji Ibata, et al., 156/244.17, 272.2, 275.5 [IMAGE AVAILABLE]

US PAT NO: 4,268,337 [IMAGE AVAILABLE] L15: 11 of 12

ABSTRACT:
A sheet molding material comprising (1) an interlayer containing a photopolymerizable resin and a photocuring agent for the photopolymerizable resin, and (2) a surface layer of a thermosetting resin containing a heat curing agent for the thermosetting resin on both surfaces of the interlayer (1); and a process for the production of the sheet molding material.

12. 4,214,026, Jul. 22, 1980, Sheet molding material; Jyoji Ibata, et al., 428/67; 156/244.17, 275.5; 428/75, 175, 323, 457, 458, 913; 442/378 [IMAGE AVAILABLE]

US PAT NO: 4,214,026 [IMAGE AVAILABLE] L15: 12 of 12

ABSTRACT:
A sheet molding material comprising (1) an interlayer containing a photopolymerizable resin and a photocuring agent for the photopolymerizable resin, and (2) a surface layer of a thermosetting resin containing a heat curing agent for the thermosetting resin on both surfaces of the interlayer (1); and a process for the production of the sheet molding material.

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=> s 522/173,174,175/ccls

           214 522/173/CCLS
           245 522/174/CCLS
           127 522/175/CCLS
L16        494 522/173,174,175/CCLS
                 ((522/173 OR 522/174 OR 522/175)/CCLS)

=> s l16 and l3

L17          0 L16 AND L3

=> s l16 and (hydrocarbon or butadiene or isobutylene)

        157461 HYDROCARBON
         62267 BUTADIENE
         17396 ISOBUTYLENE
L18        139 L16 AND (HYDROCARBON OR BUTADIENE OR ISOBUTYLENE)

=> s (coated or coating)(P)(wire or strip or aluminum or copper)

        317469 COATED
        310252 COATING
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        287918 WIRE
        222598 STRIP
        332674 ALUMINUM
        199525 COPPER
L19     114022 (COATED OR COATING)(P)(WIRE OR STRIP OR ALUMINUM OR COPPER)

=> S L18 AND L19

L20         60 L18 AND L19

=> S SL20AND DIELECTRIC

             0 SL20AND
         98186 DIELECTRIC
L21          0 SL20AND DIELECTRIC
                 (SL20AND(W)DIELECTRIC)

=> S L20 AND DIELECTRIC

         98186 DIELECTRIC
L22          6 L20 AND DIELECTRIC

=> D CIT L22 1-6


1.  5,605,781, Feb. 25, 1997, Photosensitive composition with cyanate
esters and use thereof; Jeffrey D. Gelorme, et al., 430/280.1, 270.1,
283.1; 522/15, 25, 31, 126, 146, 167, 173 [IMAGE AVAILABLE]

2.  5,387,492, Feb. 7, 1995, Energy-curable cyanate compositions; Fred B.
McCormick, et al., 430/270.1; 522/66, 167, 174 [IMAGE AVAILABLE]

3.  5,294,517, Mar. 15, 1994, Energy-curable cyanate compositions; Fred
B. McCormick, et al., 430/270.1; 204/157.72; 522/173; 528/210, 422;
544/193 [IMAGE AVAILABLE]

4.  5,215,860, Jun. 1, 1993, Energy-curable cyanate compositions; Fred B.
McCormick, et al., 430/270.1; 204/157.72; 430/325, 914, 916; 522/36, 40,
49, 54, 59, 63, 64, 65, 66, 163, 166, 167, 171, 173, 904; 525/504;
528/43, 210, 220, 225, 373, 391, 399, 422, 423; 544/193 [IMAGE AVAILABLE]

5.  5,013,631, May 7, 1991, Ultraviolet curable conformal coatings;
Wei-Fang A. Su, 430/271.1, 280.1, 284.1, 286.1, 288.1, 311; 522/33, 37,
40, 92, 174 [IMAGE AVAILABLE]

6.  3,860,565, Jan. 14, 1975, ENCAPSULATED ISOCYANURATE CATALYST; Loren
L. Barber, Jr., 528/57; 204/157.82; 521/40, 54, 76, 125, 159, 902;
522/174; 523/211; 528/44, 48, 53, 85, 902 [IMAGE AVAILABLE]

=> S L18 AND DIELECTRIC

         98186 DIELECTRIC
L23         11 L18 AND DIELECTRIC

=> S L23 NOT L22

L24          5 L23 NOT L22

=> D CIT L24 1-5


1.  5,821,278, Oct. 13, 1998, Process for polymerizing of cyclic olefins
and a photopolymerizable composition; Paul Adriaan Van Der Schaaf, et
al., 522/66, 29, 167, 168, 172, 173, 180, 182, 184, 186; 526/113,
170, 172, 256, 258, 266, 279, 308, 309 [IMAGE AVAILABLE]
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2. 5,489,664, Feb. 6, 19[redacted] Microwave-polymerizable isoc[redacted]te/epoxy resins for heavy-duty applications; Fabrizio Parodi, et al., 528/73; 522/65, 78, 166, 170, **173**; 524/847, 871; 525/528 [IMAGE AVAILABLE]

3. 5,344,701, Sep. 6, 1994, Porous supports having azlactone-functional surfaces; David R. Gagnon, et al., 428/304.4, 308.4, 308.8, 315.5, 319.3; 522/116, 136, **173** [IMAGE AVAILABLE]

4. 5,314,983, May 24, 1994, Process for curing polymerizable liquid compositions based on polyisocyanates and epoxides; Mark T. DeMeuse, et al., 528/73; 522/65, 78, 166, 170, **173**; 524/847, 871; 525/528 [IMAGE AVAILABLE]

5. 4,024,177, May 17, 1977, Phenyl isocyanate derivatives of radiation curable oligomers; Stuart A. Harrison, 560/32; 522/90, 97, **174**; 526/304; 560/33 [IMAGE AVAILABLE]

=> D CIT L18 1-60

1. 5,905,099, May 18, 1999, Heat-activatable adhesive composition; Albert I. Everaerts, et al., 522/126, 113, 167, 168, 171, **173**, **175**, 180, 182; 526/303.1, 310, 312, 316, 318.3, 328, 328.5 [IMAGE AVAILABLE]

2. 5,902,837, May 11, 1999, Photo-curing resin composition comprising a propenyl ether group-containing compound; Takao Saito, et al., 522/31, 90, 96, 98, 114, 120, 133, 141, 150, 162, **173**, 176, 181 [IMAGE AVAILABLE]

3. 5,877,230, Mar. 2, 1999, Anionic photoinitiation; Charles R. Kutal, 522/66, 29, 148, 150, 162, 164, 165, 166, **173**, **175**, 178, 182, 184, 188, 189 [IMAGE AVAILABLE]

4. 5,859,087, Jan. 12, 1999, Radiation-curable primer coating composition and a polyolefin film or molded article coated with the cured primer; Edward P. Zahora, 522/96, 97, 170, **173**, **174**; 528/9, 28, 56, 85 [IMAGE AVAILABLE]

5. 5,821,278, Oct. 13, 1998, Process for polymerizing of cyclic olefins and a photopolymerizable composition; Paul Adriaan Van Der Schaaf, et al., 522/66, 29, 167, 168, 172, **173**, 180, 182, 184, 186; 526/113, 170, 172, 256, 258, 266, 279, 308, 309 [IMAGE AVAILABLE]

6. 5,805,358, Sep. 8, 1998, UV-curable fresnel lens resin composition, fresnel lens, and back projection screen; Tsutomu Yamashita, et al., 359/742, 743; 522/93, 96, 104, 107, 171, **174**, 182 [IMAGE AVAILABLE]

7. 5,736,609, Apr. 7, 1998, Sulfur-containing urethane-based resin composition, its resin, and optical element and lens comprising resin; Yoshihiro Irizato, et al., 525/131; 351/159; 359/642; 522/135, **174**, 180; 528/73 [IMAGE AVAILABLE]

8. 5,723,511, Mar. 3, 1998, Processes for preparing telechelic, branched and star thermoplastic resin polymers; Peter M. Kazmaier, et al., 522/35, 36, 57, 60, 62, 63, 65, 149, **175**, 182, 188, 904; 525/88, 95, 901, 941; 526/328, 328.5, 329, 329.2 [IMAGE AVAILABLE]

9. 5,719,202, Feb. 17, 1998, Polymerizable N,N'-substituted piperazine acrylamide compounds; Paul E. Share, 522/167, 9, 10, **175**; 526/258, 263 [IMAGE AVAILABLE]

10. 5,705,316, Jan. 6, 1998, Vinyl ether compounds having additional functional groups other than vinyl ether groups and the use thereof in

the formulation of curab[redacted] compositions; Bettina Steinman[redacted] et al., 430/269; 522/90, 96, 97, [redacted]0, 103, 170, **174**, 179, 181, 18[redacted] IMAGE AVAILABLE]

11. 5,703,140, Dec. 30, 1997, Photopolymerizable composition; Kazuto Kunita, et al., 522/57; 428/457; 430/278.1, 281.1; 522/26, 27, 28, 121, 126, **173** [IMAGE AVAILABLE]

12. 5,653,839, Aug. 5, 1997, Fire-resistant glass and process for production thereof; Hiroshi Itoh, et al., 156/109, 102; 264/261; 428/34, 68, 76; 522/84, **175** [IMAGE AVAILABLE]

13. 5,652,280, Jul. 29, 1997, Anionic photoinitiation; Charles R. Kutal, 522/66, 148, 170, 172, **173**, **175**, 177, 178, 182, 184, 186, 188 [IMAGE AVAILABLE]

14. 5,639,802, Jun. 17, 1997, Cationic polymerization; Douglas C. Neckers, et al., 522/25, 26, 27, 29, 168, 170, 172, **174**, 178, 181 [IMAGE AVAILABLE]

15. 5,635,544, Jun. 3, 1997, Process for preparing a UV-curable coating material and anti-abrasion coating composition; Misao Tamura, et al., 522/79; 427/510; 522/4, 64, 83, **173**; 524/385 [IMAGE AVAILABLE]

16. 5,629,354, May 13, 1997, Photopolymerization initiator system comprising a spectral sensitizer and a polycarboxylic acid co-initiator; Paul R. West, et al., 522/25; 430/270.1, 281.1; 522/26, 27, 28, 29, 30, **173**, 180, 182, 183 [IMAGE AVAILABLE]

17. 5,605,781, Feb. 25, 1997, Photosensitive composition with cyanate esters and use thereof; Jeffrey D. Gelorme, et al., 430/280.1, 270.1, 283.1; 522/15, 25, 31, 126, 146, 167, **173** [IMAGE AVAILABLE]

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19. 5,565,567, Oct. 15, 1996, Polymerizable N,N'-substituted piperazine acrylamide compounds; Paul E. Share, 544/295; 522/167, **175**; 544/357, 383, 386, 388, 391 [IMAGE AVAILABLE]

20. 5,539,012, Jul. 23, 1996, Fiber/resin composites and method of preparation; Philip T. Klemarczyk, et al., 522/13; 428/34.5, 34.7, 36.1; 522/20, 24, 26, 29, 40, 41, 42, 43, 44, 46, 48, 60, 68, 170, **173**, 182 [IMAGE AVAILABLE]

21. 5,532,286, Jul. 2, 1996, Thioether acrylate containing photopolymerizable compositions; Elizabeth G. Burns, et al., 522/37, 40, 42, 43, 44, 46, 53, 167, 168, **175**, 180, 182 [IMAGE AVAILABLE]

22. 5,518,789, May 21, 1996, Thioether containing photopolymerizable compositions; Elizabeth G. Burns, et al., 428/65.5, 66.6, 425.8, 461; 430/321; **522/175**, 180 [IMAGE AVAILABLE]

23. 5,489,664, Feb. 6, 1996, Microwave-polymerizable isocyanate/epoxy resins for heavy-duty applications; Fabrizio Parodi, et al., 528/73; 522/65, 78, 166, 170, **173**; 524/847, 871; 525/528 [IMAGE AVAILABLE]

24. 5,484,864, Jan. 16, 1996, Urethane adhesive compositions; Douglas A. Usifer, et al., 526/301; **522/173**; 526/208 [IMAGE AVAILABLE]

25. 5,462,797, Oct. 31, 1995, Energy curable pressure-sensitive adhesive compositions; Jerry W. Williams, et al., 428/345, 355R; 522/4, 18, 24, 28, 29, 96, **174**, 182 [IMAGE AVAILABLE]

26. 5,387,492, Feb. 7, 1995, Energy-curable cyanate compositions; Fred B. McCormick, et al., 430/270.1; 522/66, 167, **174** [IMAGE AVAILABLE]

27. 5,384,342, Jan. 24, 1995, Vinyl ether urethane silanes; David M. Szum, 522/172; 428/378, 429, 447; 522/96, **173**; 556/53, 418, 419, 420 [IMAGE AVAILABLE]

28. 5,344,701, Sep. 6, 1994, Porous supports having azlactone-functional surfaces; David R. Gagnon, et al., 428/304.4, 308.4, 308.8, 315.5, 319.3; 522/116, 136, **173** [IMAGE AVAILABLE]

29. 5,334,486, Aug. 2, 1994, Photopolymerizable composition and dry PS plate; Yukio Abe, et al., 430/288.1, 272.1, 281.1, 303; 522/117, **173** [IMAGE AVAILABLE]

30. 5,331,018, Jul. 19, 1994, Bimodal cured intermixed polymeric networks which are stable at high temperature; Vincent D. McGinniss, et al., 522/16, 31, 40, 41, 42, 43, 44, 48, 59, 67, 167, **175**, 176, 178, 179, 182, 183, 184, 186, 187, 188 [IMAGE AVAILABLE]

31. 5,326,621, Jul. 5, 1994, Energy-induced dual curable compositions; Michael C. Palazzotto, et al., 428/195, 206, 209, 901; 522/25, 29, 74, 79, 83, **174**; 528/51, 52, 56, 61, 65 [IMAGE AVAILABLE]

32. 5,317,080, May 31, 1994, Polyether acrylamide and active energy ray curable resin composition; Seiji Arimatsu, et al., 528/332; 430/283.1, 286.1, 288.1; **522/175**; 564/123, 152, 153 [IMAGE AVAILABLE]

33. 5,314,983, May 24, 1994, Process for curing polymerizable liquid compositions based on polyisocyanates and epoxides; Mark T. DeMeuse, et al., 528/73; 522/65, 78, 166, 170, **173**; 524/847, 871; 525/528 [IMAGE AVAILABLE]

34. 5,296,511, Mar. 22, 1994, Film-former composition; Yoshihito Ohsawa, et al., 522/33, 42, 44, 48, 74, 80, 99, 172, **173**; 528/32, 38 [IMAGE AVAILABLE]

35. 5,294,517, Mar. 15, 1994, Energy-curable cyanate compositions; Fred B. McCormick, et al., 430/270.1; 204/157.72; **522/173**; 528/210, 422; 544/193 [IMAGE AVAILABLE]

36. 5,264,515, Nov. 23, 1993, Moisture curable compositions and method of curing moisture curable compositions; Charles A. Cody, et al., 528/10; 522/172, **173**, **174**; 525/54.22, 453; 526/297; 527/301; 528/59, 71, 388 [IMAGE AVAILABLE]

37. 5,238,744, Aug. 24, 1993, Tough polymeric mixtures; Jerry W. Williams, et al., 428/412, 423.1, 426, 441, 457, 461; 522/4, 7, 15, 17, 18, 24, 25, 26, 28, 29, 30, 96, 111, **174**; 525/127, 128 [IMAGE AVAILABLE]

38. 5,215,860, Jun. 1, 1993, Energy-curable cyanate compositions; Fred B. McCormick, et al., 430/270.1; 204/157.72; 430/325, 914, 916; 522/36, 40, 49, 54, 59, 63, 64, 65, 66, 163, 166, 167, 171, **173**, 904; 525/504; 528/43, 210, 220, 225, 373, 391, 399, 422, 423; 544/193 [IMAGE AVAILABLE]

39. 5,212,210, May 18, 1993, Energy curable compositions having improved cure speeds; Leo W. Halm, 522/24; 427/517; 522/12, 29, **174**; 528/50 [IMAGE AVAILABLE]

40. 5,159,098, Oct. 27, 1992, Alk-1-enyloxy carbamates; Jeffrey S. Plotkin, et al., 558/275; 522/90, 170, **174**; 558/267, 268, 276 [IMAGE AVAILABLE]

41. 5,102,924, Apr. 7, [redacted]2, Polymeric mixtures and proc[redacted] therefor; Jerry W. Williams, et al. [redacted]522/4, 15, 17, 18, 28, 29, 96, [redacted]1, **174** [IMAGE AVAILABLE]

42. 5,089,536, Feb. 18, 1992, Energy polmerizable compositions containing organometallic initiators; Michael C. Palazzotto, 522/16; 427/520, 521; 522/17, 18, 23, 26, 27, 28, 29, 31, 33, 38, 39, 49, 52, 63, 64, 65, 66, 99, 166, 167, 168, 169, 170, 172, **173**, 181, 904; 526/115, 117, 120, 131, 154, 170, 171, 264, 288, 332, 333; 528/15, 92, 361, 411, 412; 556/7, 15, 16, 30 [IMAGE AVAILABLE]

43. 5,086,086, Feb. 4, 1992, Energy-induced curable compositions; Katherine A. Brown-Wensley, et al., 522/25, 29, 31, 66, **175**, 178, 182; 526/146, 170, 171, 172 [IMAGE AVAILABLE]

44. 5,045,572, Sep. 3, 1991, Radiation curable cross linkable compositions containing an aliphatic polyfunctional alkenyl ether; Jeffrey S. Plotkin, et al., 522/31, 103, 170, **174**, 181 [IMAGE AVAILABLE]

45. 5,036,113, Jul. 30, 1991, Tire having radiation cured air barrier coating; Wyndham H. Boon, et al., 522/96, **174**; 528/66 [IMAGE AVAILABLE]

46. 5,013,631, May 7, 1991, Ultraviolet curable conformal coatings; Wei-Fang A. Su, 430/271.1, 280.1, 284.1, 286.1, 288.1, 311; 522/33, 37, 40, 92, **174** [IMAGE AVAILABLE]

47. 5,011,560, Apr. 30, 1991, Method of adhesion and composition therefor; Yoshikazu Nakai, et al., 156/273.3, 331.4; 428/414, 416, 423.7, 424.4, 425.1, 425.3, 425.8, 463; 522/14, 28, 96, 101, 103, 126, **174** [IMAGE AVAILABLE]

48. 4,996,243, Feb. 26, 1991, Curable acrylamido oligomer compositions with initiator, and cured products; Jerald K. Rasmussen, et al., 522/99, 104, 107, 149, 172, **174**; 525/10, 279, 404, 445, 479; 526/279, 302, 304, 306; 528/26 [IMAGE AVAILABLE]

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52. 4,952,612, Aug. 28, 1990, Energy-induced curable compositions; Katherine A. Brown-Wensley, et al., 522/25; 430/270.1, 280.1, 281.1, 283.1, 914, 921, 923; 522/66, 170, **174**; 528/51, 52, 56, 85 [IMAGE AVAILABLE]

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54. 4,950,696, Aug. 21, 1990, Energy-induced dual curable compositions; Michael C. Palazotto, et al., 522/25; 430/280.1, 281.1, 283.1, 914, 921,

923; 522/66, 170, **174**; 52[redacted]1, 52, 56, 75 [IMAGE AVAILABL[redacted]

55. 4,868,325, Sep. 19, 1989, (Meth)-acrylic acid derivatives of triisocyanates in dentistry; Jurgen Reiners, et al., 560/115; 522/10, 96, **173**; 526/301; 560/26 [IMAGE AVAILABLE]

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59. 4,740,577, Apr. 26, 1988, Energy polymerizable polyurethane precursors; Robert J. DeVoe, et al., 528/51; 521/50.5; 522/28, 29, 64, 66, **174**; 523/123; 528/52, 56, 59 [IMAGE AVAILABLE]

60. 4,678,814, Jul. 7, 1987, Polyacrolein microspheres; Alan Rembaum, **522/175**, 79, 81, **174** [IMAGE AVAILABLE]